



Wagga Wagga
City Council

Flood Futures

Uranquinty Village Flood Study- March 2015

Introduction

This Flood Study is made up of three reports commissioned by Wagga Wagga City Council to define flood behaviour in Tarcutta, Uranquinty and Ladysmith under current conditions

Lyall & Associates were engaged to undertake all three reports, which involved data collection, the development and testing of flood models, and design flood modelling for these villages.

These reports consider design floods ranging between 1 in 5 year and 1 in 500 year flood events, as well as a probable maximum flood.

By way of context, the October 2010 flood was approximately a 1 in 100 year flood event for Uranquinty, while the March 2012 flood was approximately a 1 in 50 year flood event.

The studies will help Council make informed decisions about risk management on the floodplain.

Findings for Uranquinty

The modelling outlines where the water flows as well as how deep it gets at certain point in various flood events.

Some key findings of the study include:

- During a 1 in 100 year flood event, floodwaters on Sandy Creek extend over a width of 500m - 1200m
- The time of rise of Sandy Creek under design flood conditions is around 7 to 8 hours.

Please turn over for a map showing the modelling for a 1 in 100 year flood event.

You can find the full reports on the Flood Futures website:

wagga.nsw.gov.au/floodfutures

Community feedback

It's important to gauge the views of the community on the Village Flood Study for Uranquinty, which is currently on public exhibition.

There are a number of ways that you can make a submission:

Mail: The General Manager, Wagga Wagga City Council, PO Box, NSW 2650

Email: council@wagga.nsw.gov.au

Deliver to: Wagga Wagga City Council, Cnr Baylis and Morrow Streets, Wagga Wagga

Alternatively, please fill out a form provided at the Community Information Sessions.

What next?

Once finalised, these Village Flood Studies will help inform a Floodplain Risk Management Study. Council is currently investigating options to help fund this next phase.

Floodplain Risk Management Study will determine options which will seek to reduce the impact of flooding on the community in consideration of social, ecological and economic factors.

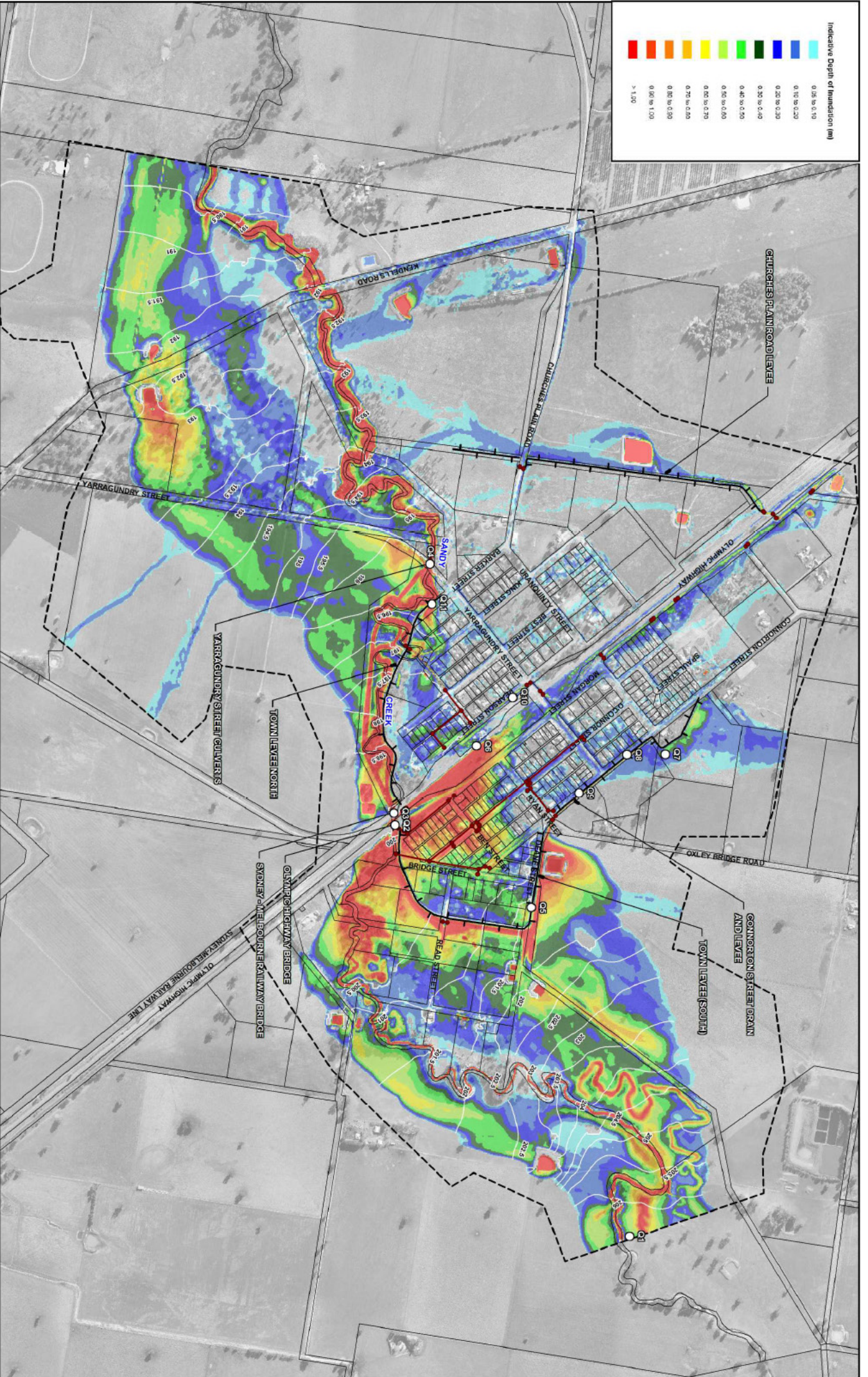
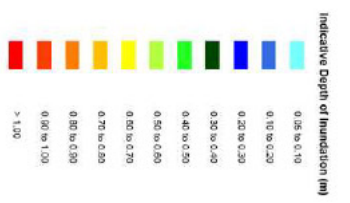
Updates on this project and other Wagga Wagga City Council flood related projects can be found on the Flood Futures website:
wagga.nsw.gov.au/floodfutures

More information

Email: floodfutures@wagga.nsw.gov.au

Phone: Lauren Fitzgerald, Community Engagement Officer 1300 292 442

www.wagga.nsw.gov.au/floodfutures
1300 292 442



Lytall & Associates

Scale: 1:12,000

120 0 120 240 360 m

NOTE:
 The extent and depths of flooding shown were determined from a two-dimensional model. The extent of inundation in individual elements near the flood fringe should be confirmed by site specific survey.

LEGEND

- Modelled Stormwater Network
- Two-Dimensional Model Boundary
- Water Surface Contours (m AHD) (Mainstream Flooding Only)
- Alignment of Existing Levee
- Peak Flow Locations and Identifier (Refer Table A3 in Appendix A)

**TARCUTTA, LADYSMITH AND URANQUINTY FLOOD STUDIES
 DESIGN FLOOD MODELLING**

URANQUINTY TUFLOW MODEL RESULTS
 100 YEAR ARI

Figure 5.7